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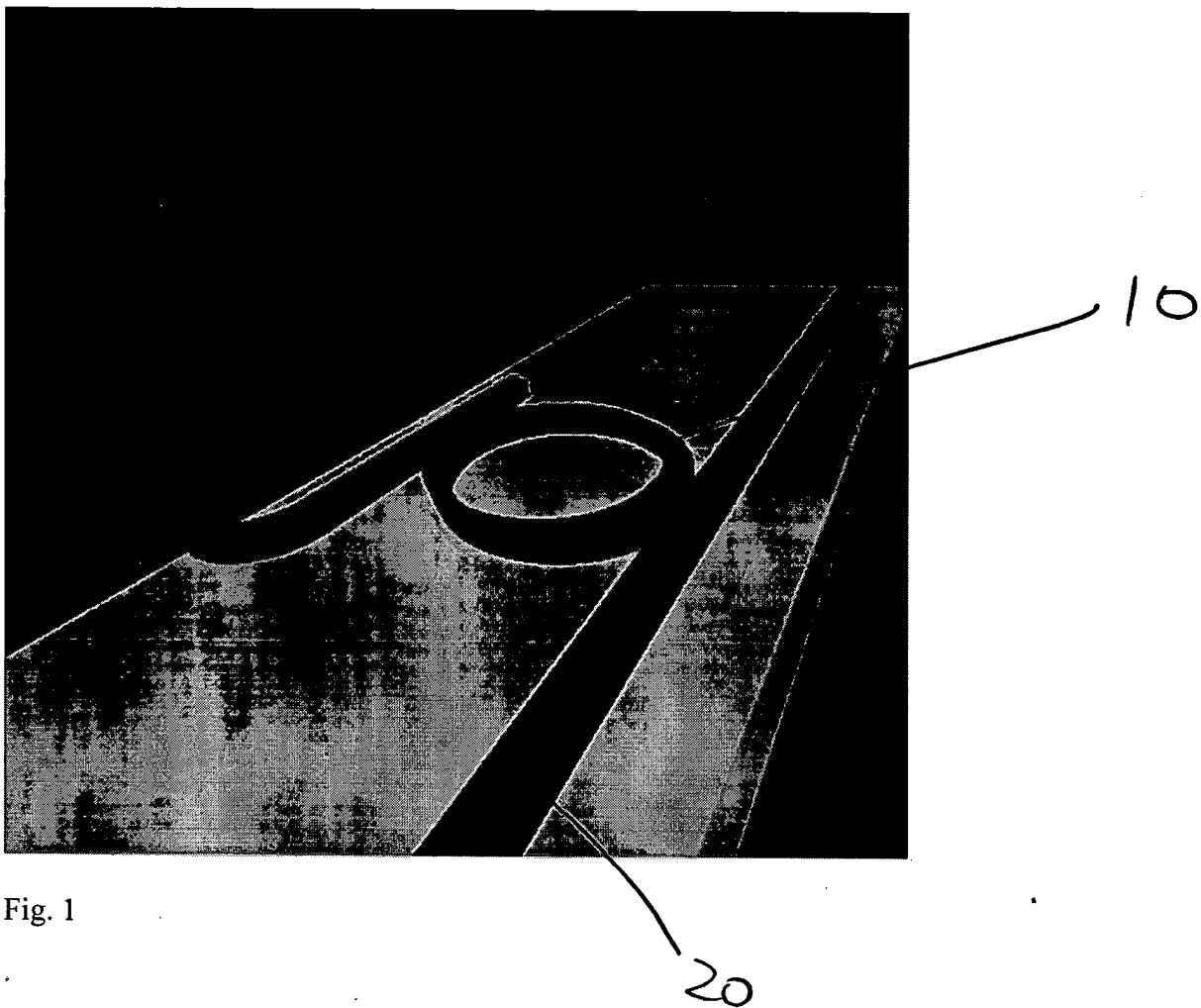
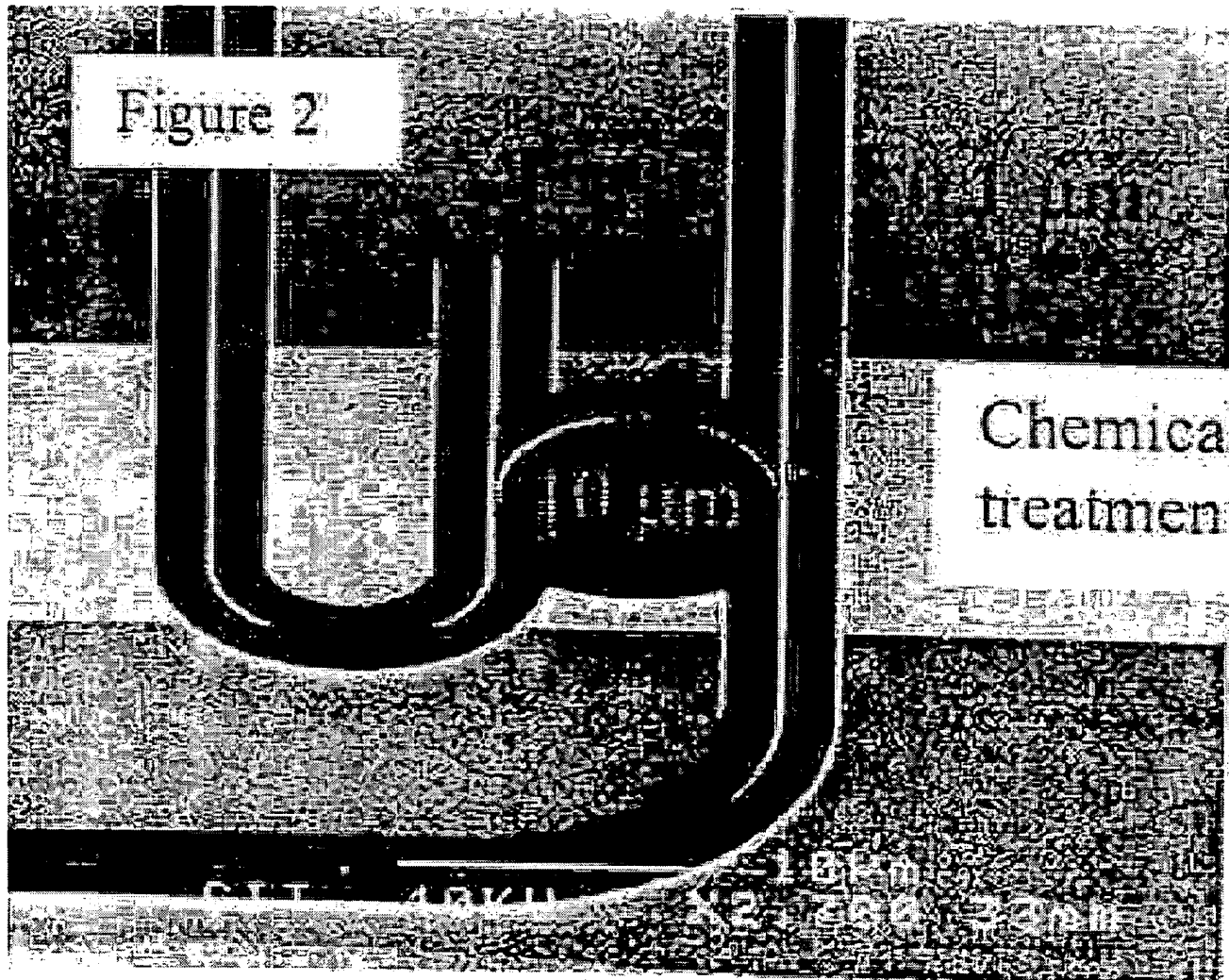


Fig. 1

Figure 2

Chemical surface
treatment



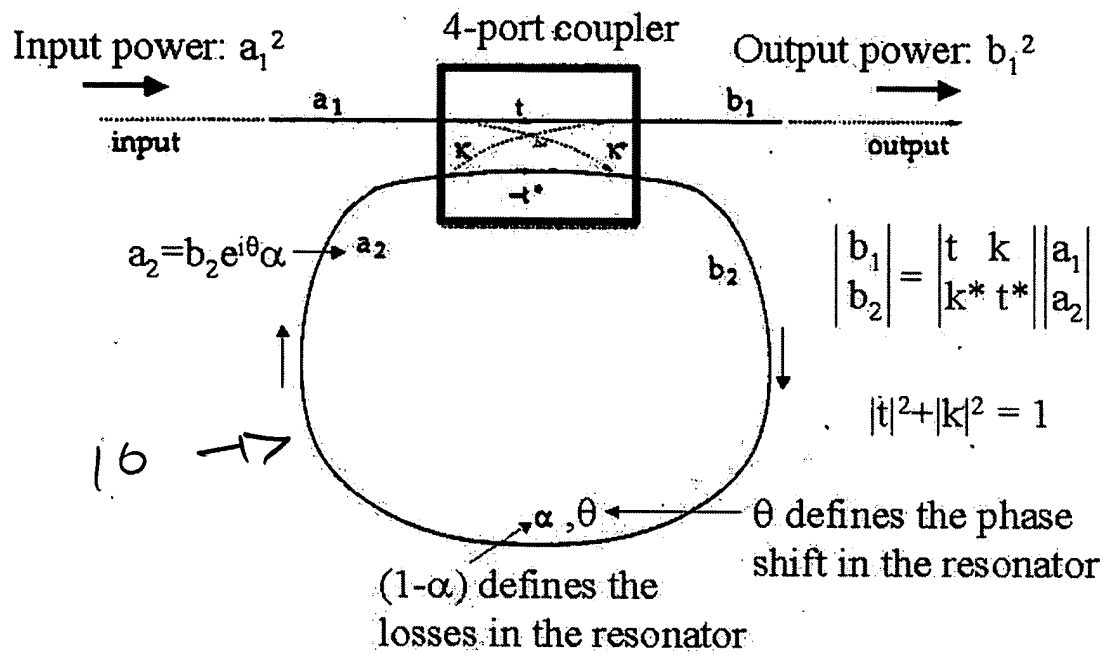


Fig. 3

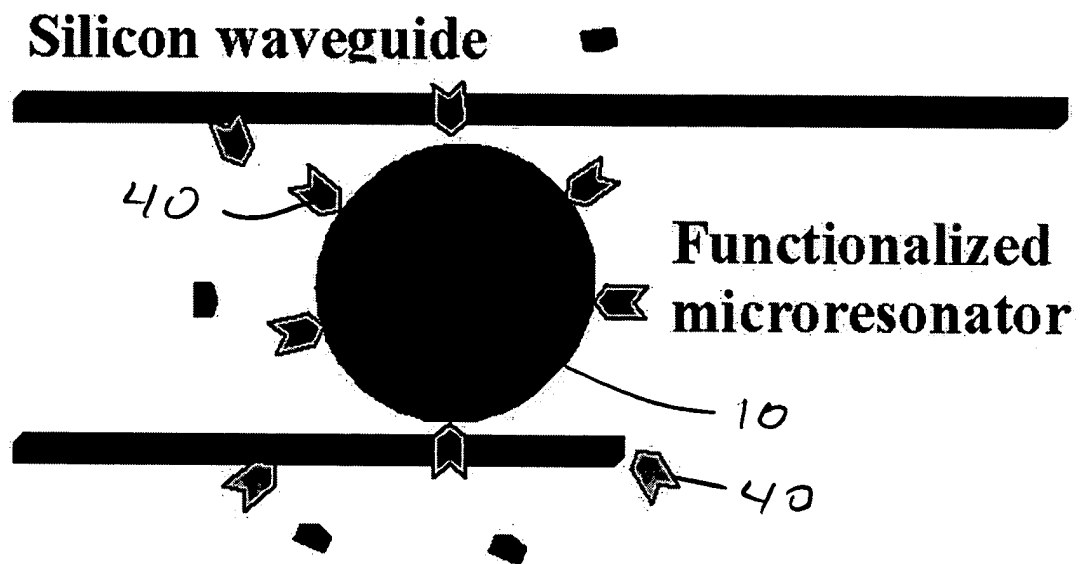


Fig. 4

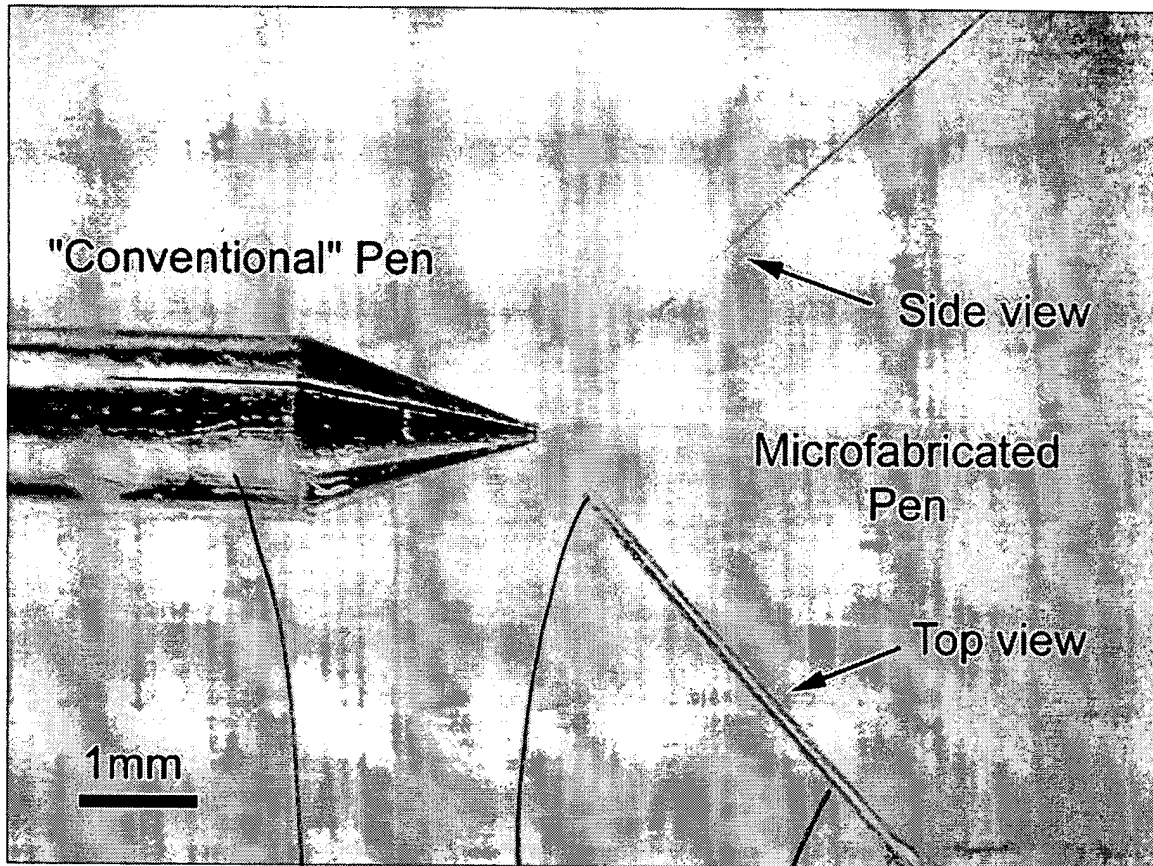


Fig. 5a

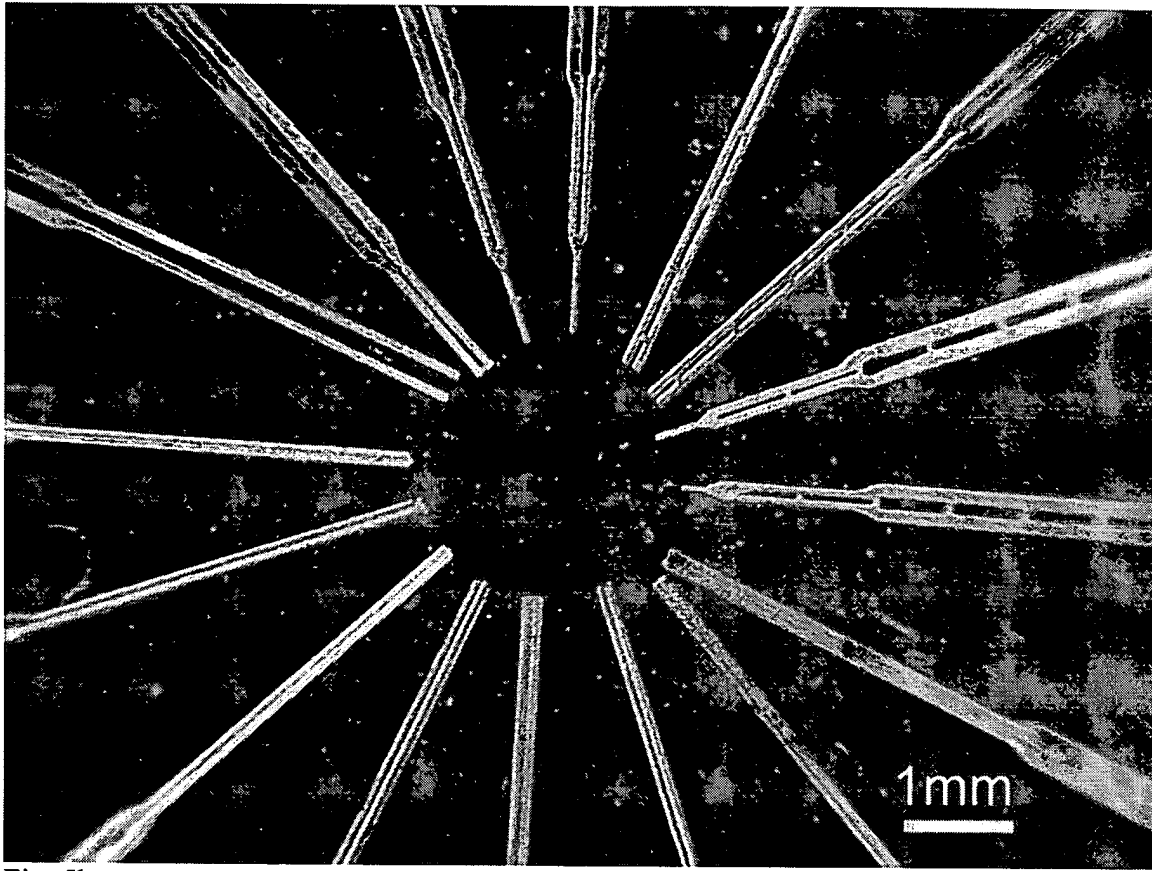


Fig. 5b

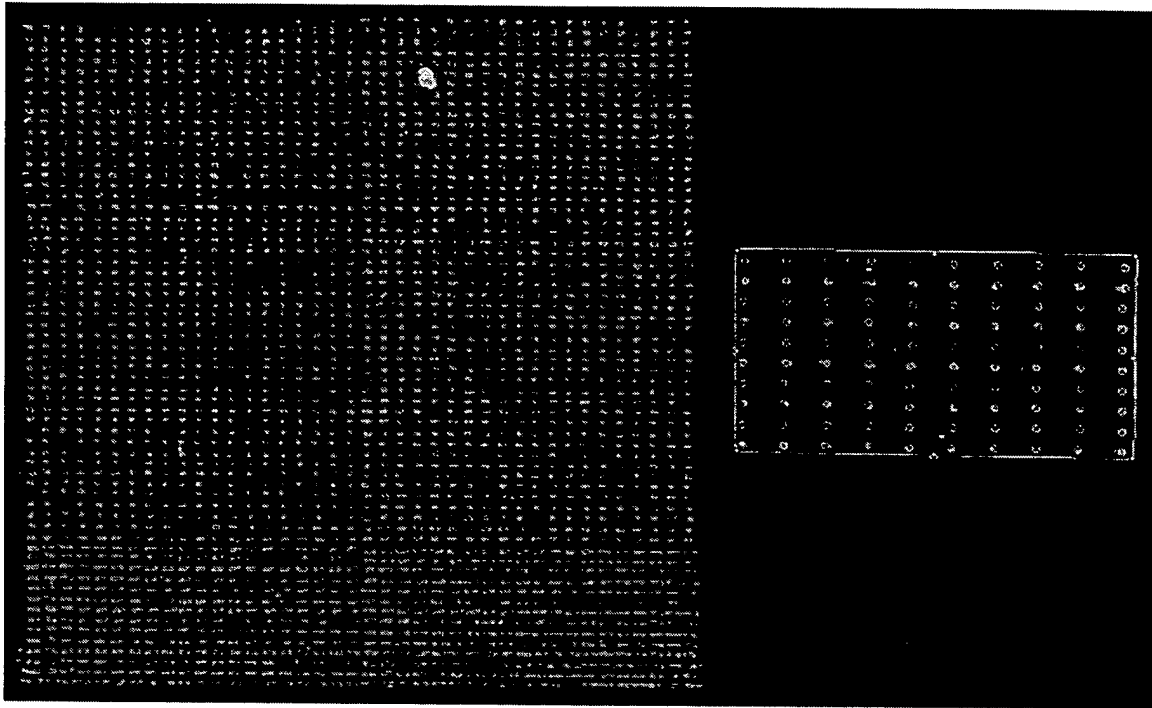


Fig. 6

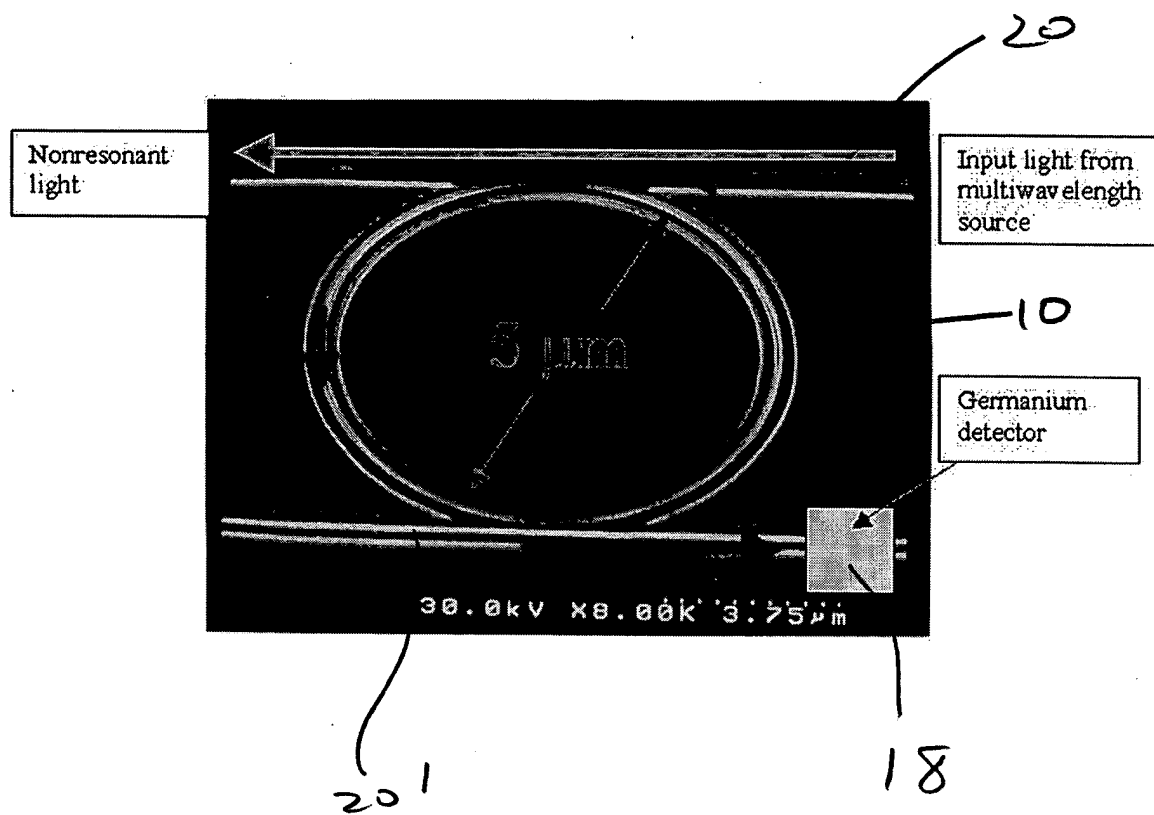
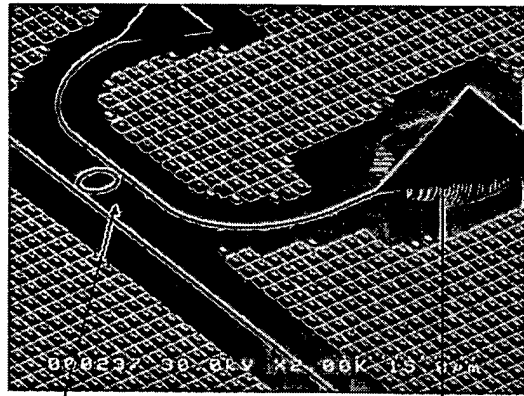


Fig. 7



Nanoresonator
filter

Highly efficient
grating coupler

Silicon on Insulator
technology is ideally
suited for the fabrication
of nanophotonic circuits

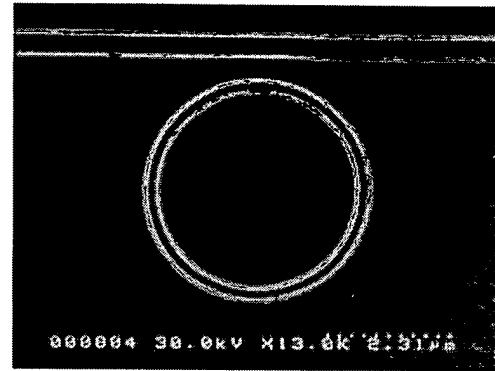


Fig. 8

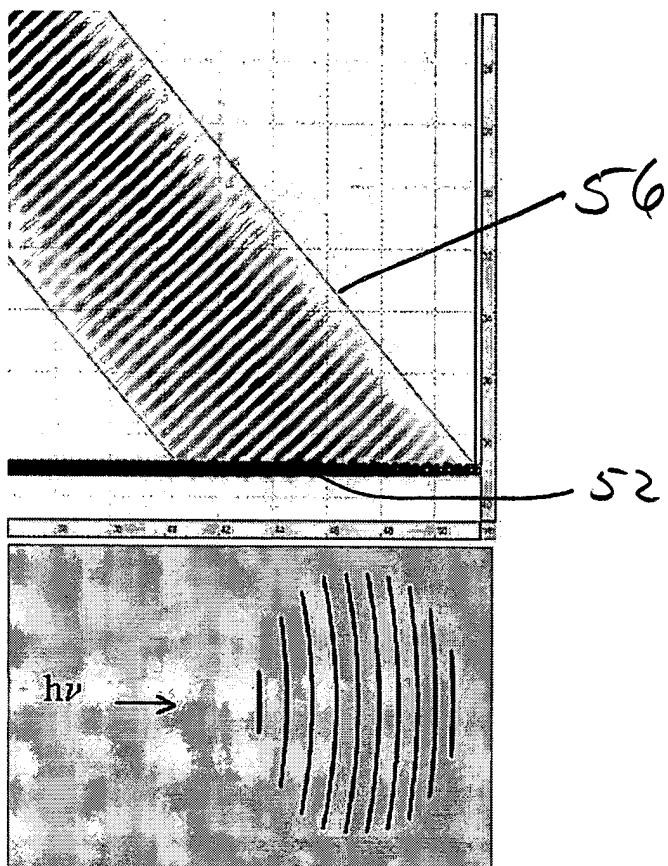


Fig. 9

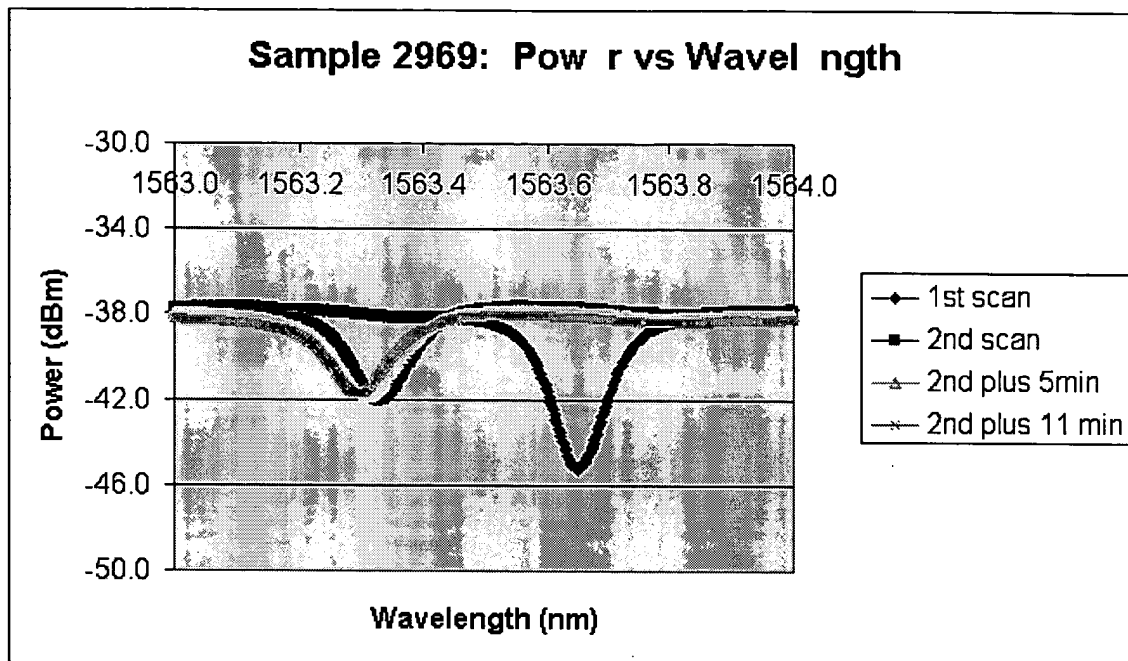


Fig. 10

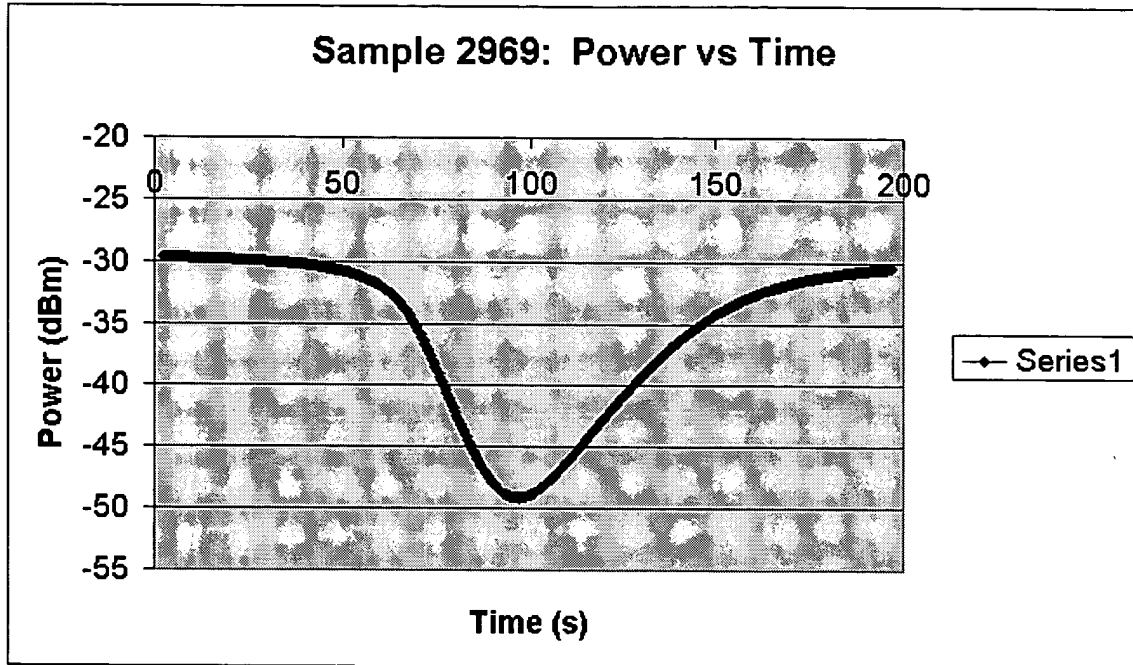


Fig. 11

Fig. 12b

